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U.S. Patent Application Serial No. 09/488,976

In The Claims:

Please cancel claims 25 - 30 without prejudice or disclaimer of the subject matter thereof and amend the claims as follows.

1(Currently amended). A computer-implemented method for adding user-provided content to a user-defined web-based content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of content entities in a data repository, comprising the steps of:

having a user defining the web-based content object by a list of content entity identifiers, wherein each content entity identifier identifies a corresponding content entity in the data repository selected by a user for inclusion in the web-based content object and including pre-existing material;

receiving ~~user-provided~~ content from the user via a web user interface for inclusion in the defined web-based content object and transmitting the user-provided content to the data repository via an Internet, wherein the user-provided content is custom content for the defined web-based content object that is supplied by the user and unavailable from the pre-existing material stored within the data repository;

assigning the user-provided content an identifier, and storing the user-provided content with the assigned identifier ~~of the user-provided content~~ in the data repository; and

adding the identifier of the user-provided content to the list of content entity identifiers, whereby the user-provided content is added to the web-based content object;

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~~wherein the user-provided content is content supplied or created by the user.~~

2(Currently amended). The computer-implemented method of claim 1, further comprising the step of receiving a user-provided location for inserting the identifier of the user-provided content into the web-based content object, and inserting the identifier into the list at that location.

3(Previously presented). The computer-implemented method of claim 2, further comprising the steps of providing a user interface communicating with the data repository, and providing mechanisms for receiving the user-provided content and specification of a desired location through the user interface.

4(Currently amended). A computer-implemented method for adding user-provided content to a user-defined hierarchically structured web-based content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of content entities in a data repository, comprising the steps of:

~~having a user~~ defining the web-based content object by a hierarchical outline of containers and content entity identifiers, wherein each content entity identifier identifies a corresponding content entity in the data repository selected by a user for inclusion in the web-based content object and including pre-existing material, and wherein each container represents an outline hierarchical tier and includes at least one content entity identifier forming a subordinate outline hierarchical tier;

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receiving ~~user-provided content~~ from the user via a web user interface for inclusion in the defined web-based content object and ~~transmitting the user-provided content to the data repository via an Internet~~, wherein the user-provided content is custom content for the defined web-based content object that is supplied by the user and unavailable from the pre-existing material stored within the data repository;

assigning the user-provided content an identifier, and storing the user-provided content with the assigned identifier of ~~the user-provided content~~ in the data repository; and

adding the identifier of the user-provided content to the hierarchical outline of containers and content entity identifiers, thereby adding the user-provided content to the web-based content object;

~~wherein the user-provided content is content supplied or created by the user.~~

5(Currently amended). The computer-implemented method of claim 4, further comprising the step of receiving a user-provided location for inserting the identifier of the user-provided content into the web-based content object, and inserting the identifier into the outline at that location.

6(Previously presented). The computer-implemented method of claim 4, wherein the user-provided content comprises a content entity.

7(Previously presented). The computer-implemented method of claim 4, wherein the user-provided content comprises a container.

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8(Previously presented). The computer-implemented method of claim 5, further comprising the steps of providing a user interface communicating with the data repository, and providing mechanisms for receiving the user-provided content and specification of a desired location through the user interface.

9(Currently amended). A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for adding user-provided content to a user-defined web-based content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of content entities in a data repository, the method comprising the steps of:

~~having a user~~ defining the web-based content object by a list of content entity identifiers, wherein each content entity identifier identifies a corresponding content entity in the data repository selected by a user for inclusion in the web-based content object and including pre-existing material;

receiving ~~user-provided~~ content from the user via a web user interface for inclusion in the defined web-based content object ~~and transmitting the user-provided content to the data repository via an Internet,~~ wherein the user-provided content is custom content for the defined web-based content object that is supplied by the user and unavailable from the pre-existing material stored within the data repository;

assigning the user-provided content an identifier, and storing the user-provided content with the assigned ~~identifier of the user-provided content~~ in the data repository; and

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adding the identifier of the user-provided content to the list of content entity identifiers, whereby the user-provided content is added to the web-based content object;
~~wherein the user-provided content is content supplied or created by the user.~~

10(Currently amended). The ~~method~~ program storage device of claim 9, wherein said method further comprises ~~comprising~~ the step of receiving a user-provided location for inserting the identifier of the user-provided content into the web-based content object, and inserting the identifier into the list at that location.

11(Currently amended). The ~~method~~ program storage device of claim 10, wherein said method further comprises ~~comprising~~ the steps of providing a user interface communicating with the data repository, and providing mechanisms for receiving the user-provided content and specification of a desired location through the user interface.

12(Currently amended). A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for adding user-provided content to a user-defined hierarchically structured web-based content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of content entities in a data repository, the method comprising the steps of:

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~~having a user~~ defining the web-based content object by a hierarchical outline of containers and content entity identifiers, wherein each content entity identifier identifies a corresponding content entity in the data repository selected by a user for inclusion in the web-based content object and including pre-existing material, and wherein each container represents an outline hierarchical tier and includes at least one content entity identifier forming a subordinate outline hierarchical tier;

receiving ~~user-provided~~ content from the user via a web user interface for inclusion in the defined web-based content object and ~~transmitting the user-provided content to the data repository via an Internet,~~ wherein the user-provided content is custom content for the defined web-based content object that is supplied by the user and unavailable from the pre-existing material stored within the data repository;

assigning the user-provided content an identifier, and storing the user-provided content with the assigned ~~identifier of the user-provided content~~ in the data repository; and

adding the identifier of the user-provided content to the hierarchical outline of containers and content entity identifiers, thereby adding the user-provided content to the web-based content object;

~~wherein the user-provided content is content supplied or created by the user.~~

13(Currently amended). The ~~method~~ program storage device of claim 12, wherein said method further comprises ~~comprising~~ the step of receiving a user-provided location for inserting the identifier of the user-provided content into the web-based content object, and inserting the identifier into the outline at that location.

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14(Currently amended). The ~~method~~ program storage device of claim 12, wherein the user-provided content comprises a content entity.

15(Currently amended). The ~~method~~ program storage device of claim 12, wherein the user-provided content comprises a container.

16(Currently amended). The ~~method~~ program storage device of claim 13, wherein said method further comprises ~~comprising~~ the steps of providing a user interface communicating with the data repository, and providing mechanisms for receiving the user-provided content and specification of a desired location through the user interface.

17(Currently amended). A system for adding user-provided content to a user-defined web-based content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of content entities in a data repository, comprising:

means for defining the web-based content object by a list of content entity identifiers, wherein each content entity identifier identifies a corresponding content entity in the data repository selected by a user for inclusion in the web-based content object and including pre-existing material;

means for receiving user-provided content from the user via a web user interface for inclusion in the defined web-based content object and transmitting the user-provided content to the data repository via an Internet, wherein the user-provided content is custom content for the

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defined web-based content object that is supplied by the user and unavailable from the pre-existing material stored within the data repository;

means for assigning the user-provided content an identifier, and for storing the user-provided content with the assigned identifier ~~of the user-provided content~~ in the data repository;
and

means for adding the identifier of the user-provided content to the list of content entity identifiers, whereby the user-provided content is added to the web-based content object;

~~wherein the user-provided content is content supplied or created by the means for defining the object.~~

18(Currently amended). The system of claim 17, further comprising means for receiving a user-provided location for inserting the identifier of the user-provided content into the web-based content object, and means for inserting the identifier into the list at that location.

19(Original). The system of claim 18, further comprising a user interface communicating with the data repository, and a mechanism for receiving the user-provided content and specification of a desired location through the user interface.

20(Currently amended). A system for adding user-provided content to a user-defined hierarchically structured web-based content object being one of a book, a collection of images,

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an album, a video and a multimedia object and stored as a plurality of content entities in a data repository, comprising ~~the steps of:~~

means for defining the web-based content object by a hierarchical outline of containers and content entity identifiers, wherein each content entity identifier identifies a corresponding content entity in the data repository selected by a user for inclusion in the web-based content object and including pre-existing material, and wherein each container represents an outline hierarchical tier and includes at least one content entity identifier forming a subordinate outline hierarchical tier;

means for receiving ~~user-provided~~ content from the user via a web user interface ~~for inclusion in the defined web-based content object and transmitting the user-provided content to the data repository via an Internet,~~ wherein the user-provided content is custom content for the defined web-based content object that is supplied by the user and unavailable from the pre-existing material stored within the data repository;

means for assigning the user-provided content an identifier, and for storing the user-provided content with the assigned identifier ~~of the user-provided content~~ in the data repository; and

means for adding the identifier of the user-provided content to the hierarchical outline of containers and content entity identifiers, thereby adding the user-provided content to the web-based content object;

~~wherein the user-provided content is content supplied or created by the means for defining the content object.~~

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21(Currently amended). The system of claim 20, further comprising means for receiving a user-provided location for inserting the identifier of the user-provided content into the web-based content object, and means for inserting the identifier into the outline at that location.

22(Original). The system of claim 20, wherein the user-provided content comprises a content entity.

23(Original). The system of claim 20, wherein the user-provided content comprises a container.

24(Currently amended). The system of claim 21, further comprising a user interface communicating with the data repository, and a ~~mechanisms~~ mechanism for receiving the user-provided content and specification of a desired location through the user interface.

25 - 30 (Canceled).

31(Currently amended). A computer-implemented method for adding user-provided content to a user-defined web-based custom content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of content entities in a digital library having a library server, and one or more object servers, the method comprising the steps of:

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defining the web-based custom content object by a list of content entity identifiers, wherein each content entity identifier identifies a corresponding content entity in the digital library selected by a user for inclusion in the web-based custom content object and including pre-existing material;

receiving ~~user-provided~~ content from the user via a web user interface for inclusion in the defined web-based custom content object ~~and transmitting the user-provided content to the data repository via an Internet,~~ wherein the user-provided content is custom content for the defined web-based custom content object that is supplied by the user and unavailable from the pre-existing material stored within the digital library;

assigning the user-provided content an identifier, and storing the user-provided content with the assigned identifier ~~of the user-provided content~~ in one or more object servers; and

adding the identifier of the user-provided content to the list of content entity identifiers, whereby the user-provided content is added to the web-based custom content object;

storing said web-based custom content object in said one or more object servers; and

storing information specifying the web-based custom content object and attribute information concerning the web-based custom content object in the library server.

32(Currently amended). The computer-implemented method of claim 1, ~~further comprising: wherein said data repository includes~~ a plurality of object servers ~~, wherein and~~ components of the ~~custom~~ web-based content object are stored in more than one of the plurality of object servers.